Chipmunk

#1

Atari Disk Copier

Chipmunk is the #1 way to back-up your valuable software without any disk drive modification.

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by microdaft

Chipmunk

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Atari Disk Copier

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How to Copy a Disk

Here is the Atari 800, 800XL, 1200XL, 65XE, and 130XE procedure:

1. Turn on monitor.

2. Turn on disk drive--wait for short whirring sound from drive, then proceed. (With Atari 800, the BASIC cartridge is not used at this point.)

3. Insert Chipmunk (side B) into drive.

4. Turn on computer while holding down the OPTION key.

5. Chipmunk menu will appear on screen.

6. Press Letter M (for Copymate). Note: 1200XL owners press letter N instead.

7. Copymate menu appears--says "Insert source disk." (Source disk is the program disk you intend to copy.)

8. Remove Chipmunk. Insert source disk.

9. Press START.

10. Sector reading begins. Small dots indicate empty sectors, large dots are data, and question marks represent bad sectors. Be patient, wait for completion.

11. At the menu prompt--"Insert Destination Disk"--remove the source disk and place the destination disk in the drive. The destination disk is the blank disk that you are copying the program to. The destination disk may either be blank or previously formatted.

12. Press START. The disk formatting and writing will begin. Note: Copymate is a two-pass copier. For the Atari 800 and unmodified 800XL, 1200XL, and 65XE computers, you are making the first pass. If your Atari has more than 64K, Copymate becomes a one-pass copier. This allows you to proceed directly to step 17.

13. At the menu prompt--"Insert Source Disk"--remove the destination disk and insert the source disk.

14. Press START. Sector reading will pick up where it left off last time.

15. At menu prompt--"Insert Destination Disk"--remove the source disk and insert the destination disk.

16. Press START. Sector writing will pick up where it left off last time.

17. Menu says "Copy Completed." Test the copy as follows:

18. Turn your computer off (leave the destination disk in the drive), insert any cartridges that the program would normally need, and turn your computer on again. If the copied version runs properly, then you are finished. But it probably won't just yet. If it doesn't, continue on to the next step.

19. Remove the destination disk, and turn your computer off.

20. In the back of this manual you will find a Chipmunk back-up list. On this list, find the name of the program you are copying, and look at the corresponding letter in the **Copy** column.

    If the letter is from **A** through **L**, follow steps 21-27.
    If the letter is **N**, **P**, or **S** follow steps 21A through 30A.

21. Insert side B of the Chipmunk disk.

22. Turn the computer on, and a menu will appear on the screen.

23. Press your program's code letter.

24. After a short wait, the screen will prompt you to "Insert Back-Up Disk." Remove Chipmunk and insert the destination disk.

25. Press RETURN and wait for a prompt.

26. The prompt will say, "Press Any Key to Reboot." Press any key, and your program should load up. If it doesn't, check to make sure whether or not your program needs BASIC to run. If the original does, so does the back-up.

27. Your copied program should now be loaded. Test to make sure that it works properly.

(The following instructions are for code letters **N**, **P**, and **S** only.)

21A. Insert Chipmunk side A. Atari 800 owners should have the BASIC cartridge inserted at this point.

22A. Turn your computer on. A menu will appear.

23A. Refer to code letter from step 20:

If **S**, then your copy is complete. You are done, so no further steps are needed.
If **N**, press **N** (for "No-Key"). Follow the computer's prompts from here.
If **P**, press **P** (for "Parameters").

24A. The Space bar will advance you slowly through different parameter screens. If you would like to go immediately to the screen that lists the program you are copying, press "Z" for the Goto option. Then enter the first letter of the program's name, and press RETURN.

25A. Each program is listed next to a letter. Press the letter next to the program you wish to copy. The computer will tell you to insert the parameters disk (which is Chipmunk, and is probably already in the disk drive).

26A. Press RETURN.

27A. At menu prompt--"Insert Destination Disk"--remove the Chipmunk disk and insert the destination disk.

28A. Press RETURN.

29A. Your back-up copy is now totally complete. The screen will return to the parameters menu.

30A. At menu prompt, press the letter **X**, and then hit any key to reboot (your destination disk should still be in the drive). Your program should load. If it doesn't, check to see whether the original program needs BASIC or not. If it does, the back-up will, too.

Notes On Copymate

- Sector copying bad sectors ("?") can take a very long time. In the past, many software publishers such as Synapse, Activision, or Datasoft would fill the entire end of the disk with bad sectors. If you feel that there may be no more data on a disk, only bad or empty sectors, hold down the OPTION key. Copymate will then prompt you to "Insert Destination Disk," and will copy only the data it has read to that point on the disk. If your copy doesn't work, try re-copying the disk without interrupting Copymate.

- Pressing RESET will bring you back to the Copymate menu at any time.

- At the "Insert Source Disk" or "Copy Completed" prompt you may press SELECT to re-write the data that has just been written, to another disk. This allows you to make several copies of one program without having to re-read the original disk for each copy you wish to make.

Notes On the Multi-Version Back-Up Utilities (A-L)

A) This is the multi-version back-up for software by Artworx. Since some Artworx programs aren't copy-protected, see if the sector copied version will run before you try using this option.

B) This is for newer Broderbund programs. Many older ones are on the regular parameter list on side A. Also, there are two versions of A.E., one which requires a regular parameter to be written, and one that uses this multi-version back-up. If one approach on A.E. doesn't work, try the other.

C) This backs-up all Edufun software.

D) This backs-up all versions of Eidolon and Koronis Rift, two games by Epyx.

E) This will back-up the Hayden SAT programs.

F) This backs-up all Harcourt Brace Jovanovich (HBJ) SAT disks.

G) This backs-up Crusade in Europe, Conflict in Vietnam, and Decision in the Desert, three Microprose wargames.

H) This backs-up newer Spinnaker programs. Older ones will require a parameter from side A, or else they can be backed-up with just a sector copy.

I) This backs-up most of the Strategic Simulations, Inc. (SSI) games.

J) This backs-up SynGraph and SynStat by Synapse.

K) This backs-up all software by Xerox.

L) This backs-up Page Designer, Rubberstamp, and Typesetter by Xlent.

Miscellaneous Copying Notes

- Some programs, like Frogger and Math Maze, were released in two different versions, one needing just a sector copy, and

one needing parameters also. It is a good idea to try running just the sector copied version first. If it doesn't work, write the appropriate multi-version back-up or parameter to the disk.

- If two or more programs run together, like Print Shop and Print Shop Companion, either use both originals or both back-ups. Mixing originals and back-ups often won't work.

- Copymate will not work with certain custom operating systems. It also will not work on Atari 810 disk drives if certain hardware modifications are present. To use Copymate under these circumstances, either switch back to the standard operating system or use the appropriate software to disable your disk drive modifications. You could also use Diskcopy, the 1200XL sector copier, as an alternative.

- The parameter for Proofreader is for the program sold by Atari for Atariwriter. The one included with the Atariwriter + program can be copied using just the sector copier.

- You must use Diskcopy to back-up Autoduel by Origin Systems.

Utilities

To get to the three utilities on side B of the Chipmunk disk, load up side A, where you will see the main menu, and type the letter U. Flip the disk and press RETURN. Chipmunk will then show a menu screen with the following programs listed:

1. UNLIST
2. UNDELETE
3. AUTORUN
4. RUN SIDE 1

To load one of the first three, press the appropriate number. Number four is self-explanatory.

Unlist

This program allows you to list BASIC programs that will normally lock the computer up when you type LIST (and then hit RETURN) in BASIC. Unlist will ask you to insert the disk with the unlistable file. Do so, and press RETURN. You will then see a directory of all the files on the disk. (If you inserted the wrong disk, just press RETURN and you will be asked again to insert a disk, and you can continue from there. To exit the program altogether, press ESCAPE.) When you see the listing of

all the programs on the disk, type in the name of the file you want to unlist. After the program is loaded into memory, press START. The text will turn brighter. At this point, you will be in BASIC, and the program will be LISTable. SAVE the program.

Undelete

This program allows you to recover deleted files that have not had data written over them. After Undelete loads, it will ask you to insert the disk with the deleted file. Do so, and press RETURN. The screen will show the first program on the disk, along with its status. The status codes are as follows:

L. Locked
N. Normal
D. Deleted

Press RETURN to run through each of the programs on the disk until you reach the one you want to change. To unlock a locked file, press **N**. To lock an unlocked file, press **L**. To undelete a file (if the file needs it, it will have a **D** for its status), press the letter **N**. Then press the ESCAPE key twice. The first time you press it, it will ask you to insert a disk with files you want to change (you will use this option when switching from one disk to another). But for the time being, press ESCAPE again and you will leave the program and be in BASIC. If the program you recovered was written in BASIC, LOAD it up and then SAVE it to disk (or type NEW, hit RETURN, ENTER the program, and LIST it to disk if you want it to be such a file). If the program was written in machine language or is a data file, insert any disk with DOS 2.0 or 2.5 on it, type DOS, and press RETURN. When you see a menu on the screen, press the letter **C** and answer the prompt with D:FILENAME,D:FILENAME. FILENAME is the name of your file.

When you complete the applicable steps, your "lost" program should be recovered.

Autorun

Autorun, as the title indicates, automatically runs a BASIC program every time you boot up the disk that it's on. On the Autorun menu screen you will see:

1. MENU	1. AUTORUN.SYS
2. GAMES	2. ADD/REPLACE FILE
3. BOOT	3. DEFAULT FILE
4.	4. CHANGE DRIVE #
5.	5. FILENAME

The three filenames on the left (MENU, GAMES, and BOOT) are default filenames for the program to be run by the Autorun. The one whose number is in inverse lettering is the one ready to be used. You can change the readied default by pressing number three. Number two allows you to create your own default filename. Number four changes the drive number (default is drive number one). Default changes and selections will be saved permanently. If you are using a default filename, insert the disk with your file, and press number one. This will write the appropriate AUTORUN.SYS file. Number five allows you to enter your own choice for the name of the program to be automatically run, but doesn't set it as a default. Once you type the name in, the AUTORUN.SYS program will be written to the disk.

Troubleshooting

Program Won't Load

1. If you are using an Atari 800 or 1200XL, make sure that BASIC is inserted for side A but not for side B.

2. If you are using an Atari 600XL, 800XL, 65XE, or 130XE, hold OPTION down only when you load side B.

3. If you're not using an Atari, you're in real trouble.

Copy Doesn't Work

1. Are you loading the copy just as you would normally load the original? For instance, if the original program needs a translator, the back-up version will need one, too.

2. Did you write the proper parameters?

3. Do you have a version of the program that we have never seen before? It's possible. Some programs, such as Jawbreaker, were released in many different versions. The one you have may not be covered by our parameters. If you think this is the problem, contact Microdaft and we will try to find a solution.

After Writing an AUTORUN.SYS, the BASIC Program Doesn't Run

1. Was the BASIC program in LISTed rather than SAVEd format? Only SAVEd programs will run.

2. What DOS are you using? Any DOS besides DOS 1.0, 2.0, 2.5, 3.0, Mydos, or SmartDOS may not work.

3. DOS must be on the same disk as your BASIC file with the Autorun.

4. Obviously, the BASIC file and the Autorun must be on the same disk.

Contacting Microdaft

Microdaft operates during very strange hours. Call (201) 663-0202 whenever you wish. If nobody answers, call back some other time. If someone answers but they can't help you, make sure they get your name, message, phone number, and a good time for us to call you back.

You can write to us at:

Microdaft
19 Harbor Drive
Lake Hopatcong, NJ 07849

Thanks to a local bulletin board system, we can also be reached by modem at (201) 875-8324.

Obtaining Back-Ups of Chipmunk

Chipmunk is not copy-protected, so you can sector copy a back-up for yourself, but please don't hand out or sell copies to others. If you are a registered owner and you accidentally destroy your disk, mail us $3.00 and we will ship you a new one.

Becoming a Registered Owner

Fill out and mail us the registration card that comes with your disk and manual. When you have done this, you are a registered owner, and are eligible for obtaining updates of Chipmunk at any time by sending $14.95 U.S. funds or $22 Canadian funds.

Suggestions

Any suggestions or comments will be appreciated.

Copyright Laws

Under the federal copyright laws, you can legitimately make back-ups of your own software for your own use. Re-selling, or freely distributing copied programs, however, is illegal. This program is provided only for the legal copying of disks.

Chipmunk Backup List

Program	Publisher	Copy
221B Baker Street	Datasoft	S
A.E.	Broderbund Software	B
Ace Of Aces	Accolade	P
Action Biker	Mastertronics	S
Adventure Master	CBS Software	P
Aerobics	Spinnaker Software	H
Agent USA	Scholastic Software	P
Air Support	Synapse Software	P
Alien Addition	DLM	P
Aliencounter/Face Flash	EduFun	C
Alphabet Arcade	Program Design, Inc.	P
Andromeda Conquest	Avalon Hill	S
Anti-Sub Patrol	Roklan Software	P
Aquatron	Sierra On-Line	P
Arcade Machine	Broderbund Software	B
Arrow Graphics/Gulp	EduFun	C
Asylum	Screenplay	P
Atari Macroassembler 1.0A	Atari	P
Atari Word Processor	Atari	P
AtariMusic I	Atari	P
AtariMusic II	Atari	P
AtariWriter+	Atari	P
Autoduel	Origin Systems	P
Awardware	Hi-Tech Expressions	S
B/Graph 1.1	Batteries Included	P
B/Graph 1.1.1	Batteries Included	S
Back-Up Master 2.0	Duplicating Technologies	P
Baja Buggies	Gamestar	P
Ballyhoo	Infocom	S
Bandits	Sirius Software	P
Bank Street Music Writer	Mindscape	P
Bank Street Writer	Broderbund Software	B
Bannercatch	Scholastic Software	P
Batallion Commander	Strategic Simulations	I
Battle For Normandy	Strategic Simulations	P
Battle Of Antietam	Strategic Simulations	P
Battle Of Shiloh	Strategic Simulations	P
Battlecruiser	Strategic Simulations	P
Battling Bugs/Concentraction	EduFun	C
Batty Builders	Thunder Mountain	P
Beach Landing	Xerox Publishing	K
Beach-Head	Access Software	P
Beach-Head II	Access Software	S
Berserker Raids	Simon And Schuster	S
Beyond Castle Wolfenstein	Muse Software	S
Biology	MECC	P
Blade Of Blackpoole	Sirius Software	P
Blazing Paddles	Baudville	P
Blue Max	Synapse Software	P
Bookkeeper 5.4	Atari	P
Bop'N Wrestle	Mindscape	P
Breakthrough In Ardennes	Strategic Simulations	P
Bridge 4.0	Artworx	A
Brimstone	Synapse Software	S

Chipmunk Backup List

Program	Publisher	Copy
Broadsides	Strategic Simulations	P
Bruce Lee	Datasoft	P
Carrier Force	Strategic Simulations	P
Castle Clobber	Mindscape	P
Castle Wolfenstein	Muse Software	S
Caverns Of Callisto	Origin Systems	P
Caverns Of Mars	Atari	S
Championship Golf	Hayden Software	P
Championship Lode Runner	Broderbund Software	B
Chatterbee	Don't Ask Software	P
Chem Lab	Simon & Schuster	S
Chess 7.0	Odesta	P
Chessmaster 2000	Electronic Arts	S
Chickamauga	Game Designer's Workshop	P
Chipmunk	Microdaft	S
Chop Suey	Antic Publishing	P
Choplifter	Broderbund Software	P
Claim Jumper	Synapse Software	P
Clear For Action	Avalon Hill	P
Close Assault	Avalon Hill	S
Codewriter	Codewriter	P
Colonial Conquest	Strategic Simulations	I
Color Print	Datasoft	P
Colorasaurus	Learning Company	P
Combat Chess	Avalon Hill	S
Combat Leader	Strategic Simulations	P
Complete Personal Accountant	Futurehouse	S
Compubar/Golf Classic	EduFun	C
Compubridge	Artworx	A
Computer Ambush	Strategic Simulations	P
Computer Baseball	Strategic Simulations	P
Computer Crayons	Futurehouse	P
Computer Gourmet	New Horizons	S
Computer QB 1984 Team Disk	Strategic Simulations	I
Computer Quarterback	Strategic Simulations	I
Conan	Datasoft	P
Conflict In Vietnam	Microprose	G
Cosmic Balance	Strategic Simulations	P
Cosmic Balance II	Strategic Simulations	P
Crisis Mountain	Synergistic Software	P
Crosscheck	Datasoft	S
Crossword Magic	Mindscape	P
Crusade In Europe	Microprose	G
Crush, Crumble, And Chomp	Epyx	S
Curse Of Ra	Epyx	S
Cutthroats	Infocom	S
Dallas Quest	Datasoft	P
Data Perfect	LJK Software	S
Datasoft BASIC Compiler	Datasoft	P
Day At The Races	I.C.D.	S
Deadline	Infocom	S
Decision In The Desert	Microprose	G
Demolition Division	DLM	P
Disk 50	Cascade Games	S

Chipmunk Backup List

Program	Publisher	Copy
Diskey	Adventure International	P
Diskwiz II	Allen Macroware	S
Dragon's Keep	Sierra On-Line	P
Dragonriders Of Pern	Epyx	P
Drol	Broderbund Software	B
Eagles	Strategic Simulations	P
Early Games	Springboard Software	P
Earth Science	MECC	P
Earth Views	Antic Publishing	P
Eidolon	Epyx	D
Electric Checkbook	Timeworks	S
Elektraglide	Mastertronics	S
Enchanter	Infocom	S
Epidemic	Strategic Simulations	P
Essex	Synapse Software	S
Expense Tracker	Antic Publishing	S
F-15 Strike Eagle	Microprose	P
Factory, The	Hesware	P
Family Tree	Antic Publishing	S
Field Of Fire	Strategic Simulations	P
Fifty Mission Crush	Strategic Simulations	P
Fight Night	Accolade	P
Final Conflict	Hayden Software	P
Fleet System II	Professional Software	P
Fooblitzky	Infocom	S
Fort Apocolypse	Synapse Software	P
Fortress	Strategic Simulations	P
Fraction Factory	Counterpoint Software	S
Freaky Factory	I.C.D.	S
Free Trader	Avalon Hill	S
Frogger	Sierra On-Line	P
G.F.S. Sorceress	Avalon Hill	S
Galactic Adventures	Strategic Simulations	P
Gauntlet	Mindscape	P
Gemstone Warrior	Strategic Simulations	P
Geography	MECC	P
Get Rich!	Continental Software	P
Gettysburg	Strategic Simulations	P
Ghostbusters	Activision	P
Golden Oldies	Electronic Arts	S
Goonies	Datasoft	P
Graphic Master	Datasoft	P
Graphic Shop	Antic Software	S
Graphics Generator	Datasoft	P
Graphics Workshop	Synergistic Software	S
Great American Road Race	Activision	P
Guderian	Avalon Hill	S
Gulf Strike	Avalon Hill	S
Gumball	Broderbund Software	B
Gunfight/Seawolf II	Epyx	P
Gunslinger	Datasoft	S
HBJ SAT	Harcourt Brace Jovanovich	F
Hacker	Activision	P
Halley Patrol	Antic Publishing	S

Chipmunk Backup List

Program	Publisher	Copy
Halley Project	Mindscape	P
Hardball	Accolade	P
Hey Diddle Diddle	Spinnaker Software	P
Hitchhiker's Guide Galaxy	Infocom	S
Hollywood Hijinx	Infocom	S
Home Accountant 2.1	Continental Software	P
Home Filing Manager	Atari	S
Home Pak	Batteries Included	S
I Love My Alphabet	First Star Software	P
Imperium Galactum	Strategic Simulations	I
In Search Most Amazing Thing	Spinnaker Software	H
Infidel	Infocom	S
Infiltrator	Mindscape	P
Instructional Computing Demo	MECC	P
Jawbreaker	Sierra On-Line	P
Jingle Disk	Hi-Tech Expressions	S
Juggle's House	Atari	S
Kampfgruppe	Strategic Simulations	I
Kampfgruppe Scenario Disk	Strategic Simulations	S
Karateka	Broderbund Software	B
Ken Uston's Blackjack	Screenplay	P
Kennedy Approach	Microprose	P
Kindercomp	Spinnaker Software	S
King Cribbage	Hayden Software	P
Knights Of The Dessert	Strategic Simulations	P
Koronis Rift	Epyx	D
Krell SAT	Krell Software	S
Kyan Pascal	Kyan Software	S
Laser Hawk	I.C.D.	S
Last V-8, The	Mastertronics	S
Leaderboard	Access Software	N
Leather Goddesses Of Phobos	Infocom	S
Letter Perfect	LJK Software	S
Little Red Riding Hood	Playground Software	P
Lode Runner	Broderbund Software	B
Lode Runner's Rescue	Synapse Software	P
Lurking Horror	Infocom	S
MAC 65	Optimized System Software	S
MIG Alley Ace	Microprose	P
MMG BASIC Compiler	MMG Software	P
MRCA Mach 2 Combat Simulator	Firebird	P
Magic Dump II	Gemini Software	P
Magic Spells	Learning Company	P
Mail Order Monsters	Electronic Arts	P
Marauder	Sierra On-Line	P
Market Place	MECC	P
Mask Of The Sun	Broderbund Software	B
Master Of The Lamps	Activision	P
Mastertype	Scarborough	P
Mastertype Filer	Scarborough Systems	P
Match Maker	Counterpoint Software	S
Match Wits	CBS Software	S
Math Maze	Designware	P
Maxwell Manor	Avalon Hill	S

Chipmunk Backup List

Program	Publisher	Copy
Mech Brigade	Strategic Simulations	I
Memory Mania/Maxwell's Demon	Gentry Software	P
Menuwriter	Codewriter	P
Mercenary	Datasoft	P
Metric And Problem Solving	MECC	P
Mickey In The Great Outdoors	Atari	P
MicroAddition	Hayden Software	S
MicroMultiplication	Hayden Software	S
MicroSubtraction	Hayden Software	S
Microleague Baseball	Micro League Sports	P
Microleague General Manager	Micro League Sports	P
Microleague Team Disks	Micro League Sports	S
Micropainter	Datasoft	P
Microsoft BASIC 1.0	Atari	P
Microtyping II	Hayden Software	P
Microzine	Microzine	P
Midway Battles	TDC Distributors	S
Millionaire	Blue Chip Software	S
Mindshadow	Activision	P
Mindwheel	Synapse Software	S
Minus Mission	DLM	P
Mission On Thunderhead	Avalon Hill	S
Mission: Asteroid	Sierra On-Line	P
Money Manager	Timeworks	S
Monkey Math	Artworx	A
Montezuma's Revenge	Parker Brothers	P
Moonmist	Infocom	S
Mouse Attack	Sierra On-Line	P
Mousetrap	MicroValue	S
Mr. Do	Datasoft	P
Mr. Do's Castle	Parker Brothers	P
Mr. Fuzz Fuzzy/Phantom Maker	Computer Software Service	P
Music I	MECC	P
Music II	MECC	P
Music III	MECC	P
Music Painter	Atari	S
Music Studio	Activision	P
My First Alphabet	Atari	P
Nam	Strategic Simulations	I
Necromancer	Synapse Software	P
NeverEnding Story	Datasoft	P
News Station	Reeve Software	P
Night Raiders	Datamost	P
Ninja	Mastertronics	S
O'Riley's Mine	Datasoft	P
Ogre	Origin Systems	P
On-Track Racing	Activision	P
Operation Market Garden	Strategic Simulations	I
Operation Whirlwind	Broderbund Software	B
PDI SAT	PDI Software	S
PM Animator	Don't Ask Software	P
Page Designer	Xlent Software	L
Paint	Atari	P
Paint	Reston Software	P

Chipmunk Backup List

Program	Publisher	Copy
Panzer Grenadier	Strategic Simulations	I
Paperclip	Batteries Included	N
Paris In Danger	Avalon Hill	S
Pathfinder	Gebelli Software	P
Peggammon	Artworx	A
Peripheral Vision	Futurehouse	P
Phantasie	Strategic Simulations	S
Picnic Paranoia	Synapse Software	P
Pinhead	Utopia Software	P
Pirates Of The Barbary Coast	TDC Distributors	P
Pitfall/Demon Attack	Activision	S
Pitstop II	Epyx	P
Planetfall	Infocom	S
Pogo Joe	Screenplay	P
Pooyan	Datasoft	P
Prefixes	MECC	P
Preppie	Adventure International	P
Preppie II	Advernture International	P
Print Shop	Broderbund Software	B
Print Shop Companion	Broderbund Software	B
Print Shop Graphic Librarys	Broderbund Software	S
Print Shop Interface	Xlent Software	P
Print Wiz	Allen Macroware	P
Prisoner 2	Screenplay	P
Proofreader	Atari	P
Protector, The	Comp. Software Services	P
Q-TV VPS 500 Computerprompter	Q-CO Industries, Inc.	P
Quasimoto	Synapse Software	P
Quest, The	Penguin Software	P
Quik Pix PC 2.0	White Lion Software	P
RAMBrandt	Antic Software	S
Racing Destruction Set	Electronic Arts	P
Raid Over Moscow	Access Software	S
Raidus	Pyramid Software	P
Rails West	Strategic Simulations	P
Raster Blaster	BudgeCo	S
Reader Rabbit	Learning Company	P
Rebel Charge At Chickamauga	Strategic Simulations	I
Reforger '88	Strategic Simulations	P
Repton	Sirius	P
Reversal	Hayden Software	P
Rhymes And Riddles	Spinnaker Software	S
Richard Petty's Talladega	Cosmi	P
Rocket Repairman	I.C.D.	S
Rommel Battles For Tobruk	Game Designer's Workshop	P
Rosen's Brigade	Datasoft	P
Roster, The	Antic Publishing	S
Rubberstamp	Xlent Software	L
Run For The Money	Scarborough Systems	P
SAT Algebra	Hayden Software	E
SAT Practice Tests	Hayden Software	E
SAT Vocabulary	Hayden Software	E
SWM Linear Equations	CBS Software	S
SWM Multiplication/Division	CBS Software	S

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Program	Publisher	Copy
SWM Multiply/Divide Fraction	CBS Software	S
SWM Multipy/Divide Decimals	CBS Software	S
SWM Quadratic Equations	CBS Software	S
Sargon II	Hayden	S
Sargon III	Hayden Software	P
Sea Bandit	Gentry Software	P
Sea Dragon	Adventure International	P
Sea Stalker	Infocom	S
Seafox	Broderbund Software	P
Serpent's Star	Broderbund Software	B
Serpentine	Broderbund Software	P
Shamus	Synapse Software	P
Shamus: Case II	Synapse Software	P
Silent Service	Microprose	P
Simulated Computer II	Carousel Software	P
Sixgun Shootout	Strategic Simulations	I
Sky Blazer	Broderbund Software	P
Slime	Synapse Software	P
Snake Byte	Sirius	P
Snake-O-Nyms/Word Flip	EduFun	C
Snapshot 1.1	Joy Fox Productions	P
Sneakers	Sirius Software	P
Snooper Troops Pt1	Spinnaker Software	H
Snooper Troops Pt2	Spinnaker Software	H
Songwriter	Scarborough	P
Sorcerer	Infocom	S
Space Base	Antic Publishing	S
Space Eggs	Sirius	P
Space Shuttle	Activision	P
Spanish Vocabulary Builder	Control Data Corporation	P
Spare Change	Broderbund Software	B
Speed King	Mastertronics	S
SpeedRead+	OSS	S
Speedy Reader	Silicon Valley Systems	S
Spell Perfect	LJK Software	S
Spell Wizard	Datasoft	P
Spellbreaker	Infocom	S
Spelldiver	Scholastic	P
Spellicopter	Designware	S
Spelunker	Broderbund Software	B
Spider Eater	Koala Technologies	P
Spider-Man	Green Valley Publishing	S
Spiderquake	Gentry Software	P
Spitfire 40	Avalon Hill	S
Spy Hunter	Sega	P
Spy Vs. Spy I	Avantage	P
Spy Vs. Spy I	First Star Software	P
Star Raiders II	Atari	P
Starbowl Football	Activision	P
Starcross	Infocom	S
Starfleet I	Cygnus Software	S
Stationfall	Infocom	S
Stealth	Broderbund Software	B
Stickybear ABC	Xerox Publishing	K

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Program	Publisher	Copy
Stickybear Basket Bounce	Xerox Publishing	K
Stickybear Numbers	Xerox Publishing	K
Stickybear Shapes	Xerox Publishing	K
Stock Management	Antic Software	S
Story Machine	Spinnaker Software	S
Strategy Football	Avalon Hill	S
Strip Poker	Artworx	A
Stun Trap	Affine Software	P
Summer Games	Epyx	P
Super Huey	Cosmi	S
Super Reevekey	Reeve Software	P
Super Text Professional	Muse Software	S
Supermailer	Royal Software	S
Supermailer+ V. 2.0s	Royal Software	P
Survivor	Synapse Software	P
Suspect	Infocom	S
Suspended	Infocom	S
SynFile+ 1.02	Synapse Software	P
Synstock	Synapse Software	P
Syntrend	Synapse Software	J
Tanktics	Avalon Hill	S
Tapper	Sega	P
Target Practice	Gentry Software	P
Technicolor Dream	I.C.D.	S
Temple Of Apshai	Epyx	P
Temple Of Apshai Trilogy	Epyx	P
Ten Little Robots	Unicorn Software	P
Text Wizard V. 1.3	Datasoft	S
Theatre Europe	Datasoft	S
Threshold	Sierra On-Line	P
Tigers In The Snow	Strategic Simulations	P
Timewise	Atari	P
Tink's Adventure	Mindscape	P
Tomahawk	Datasoft	S
Tonk In Land Of Buddy-Bots	Mindscape	P
Track Attack	Broderbund Software	P
Trailblazer	Mindscape	P
Trains	Spinnaker Software	H
Transylvania	Penguin Software	P
Tuk Goes To Town	Mindscape	P
Tumble Bugs	Datamost	P
Tutti Frutti	Adventure International	S
Twerps	Sirius	P
Tycoon	Blue Chip Software	S
Typesetter 130XE	Xlent Software	L
Typesetter 65	Xlent Software	L
U.S.A.A.F.	Strategic Simulations	I
USA Adventure	First Star Software	P
Ultima I	Sierra On-Line	S
Ultima II	Sierra On-Line	P
Ultima III	Origin Systems	P
Ultima IV	Origin Systems	P
Video Poker & Vegas Jackpot	Mastertronics	S
VisiCalc	VisiCorp	S

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Program	Publisher	Copy
War In Russia	Strategic Simulations	P
Wargame Construction Set 1.0	Strategic Simulations	S
Wargame Construction Set 1.1	Strategic Simulations	P
Warlock's Revenge	Synergistic Software	S
Warrior Of Ras	Screenplay	S
Warship	Strategic Simulations	I
Way Out	Sirius Software	P
Whistler's Brother	Broderbund Software	B
Wishbringer	Infocom	S
Witness	Infocom	S
Wiz Type	Sierra On-Line	P
Wizard And The Princess	Sierra On-Line	P
Wizard's Crown	Strategic Simulations	I
Word Magic	Antic Software	S
Word Race	Don't Ask Software	P
World Karate Championship	Epyx	P
Xlent Word Processor	Xlent Software	S
Your Personal Net Worth	Scarborough	P
Zombies	Bram	P
Zork I	Infocom	S
Zork II	Infocom	S
Zork III	Infocom	S
Zorro	Datasoft	P

Chipmunk

by Eli Tomlinson

"If you want the ability to backup your software for archival reasons, but don't want to spend big money for the drive modification, check out **Chipmunk** from Microdaft."

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September 1986

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